

# Certificate of Analysis

For Research Use Only, Not for use in Diagnostic Procedures

Product Description:	<b>Product</b>	<b>Material Number</b>	<b>Batch Number</b>
	Seraseq® FFPE Fusion RNA Reference Material v4	0710-0496	10732360
	<b>Kit Component</b>		
	Vial	0710-1275	10732357

Date of Manufacture: 04 FEB 2025      Expiration Date: 17 DEC 2026

Vial Contents:	1x 10 µm FFPE curl	
Concentration test Method:	Agencourt Formapure RNA extraction followed by Qubit RNA HS Assay Quantitation	
Average RNA Yield:	1553.1 ng	
Fusion Test Method:	Droplet Digital PCR using TaqMan™ probes tested on the BioRad QX200 system.	
Measured Fusion Concentrations:	<b>RNA Fusion</b>	<b>Digital PCR Average Fusion copies/ng of total RNA</b>
	CCDC6-RET	154.3
	CD74-ROS1	518.9
	EGFR variant III	358.1
	EGFR-SEPT14	149.4
	EML4-ALK	129.4
	ETV6-NTRK3	283.1
	FGFR3-BAIAP2L1	202.8
	FGFR3-TACC3	161.5
	KIF5B-RET	118.6
	LMNA-NTRK1	267.6
	MET Exon 14 Skipping	274.8
	NCOA4-RET	230.4
	PAX8-PPARG1	202.6
	SLC34A2-ROS1	544.7
	SLC45A3-BRAF	276.9
	TFG-NTRK1	363.4
	TMPRSS2-ERG	483.8
	TPM3-NTRK1	203.1

<b>NGS Result:</b>	<b>Positive for all 18 fusions and exon skipping events</b>
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NGS Fusion Test Method:	Archer® FusionPlex® Solid Tumor Assay tested on the Illumina MiSeq™ instrument (v2, 2 x 150 bp PE kit) using 250 ng of input RNA		
NGS Analysis Method	Data analyzed using Archer Analysis Suite Software version 6.2.2 (default settings)		
NGS Data:	<b>RNA Fusion</b>	<b>NGS Average Unique Start Sites per Fusion</b>	<b>NGS Average Unique Reads per Fusion*</b>
	CCDC6-RET	175	1412
	CD74-ROS1	121	1669
	EGFR variant III	208	2455
	EGFR-SEPT14	337	932
	EML4-ALK	147	1790
	ETV6-NTRK3	284	2539
	FGFR3-BAIAP2L1	148	4918
	FGFR3-TACC3	195	7631
	KIF5B-RET	171	2549
	LMNA-NTRK1	219	4129
	MET Exon 14 Skipping	102	399
	NCOA4-RET	141	1293
	PAX8-PPARG1	163	1358
	SLC34A2-ROS1	97	878
	SLC45A3-BRAF	80	1911
	TFG-NTRK1	123	2489
	TMPRSS2-ERG	182	10162
TPM3-NTRK1	199	3337	

\*Total number of reads per sample was 14.7M.

Approval:



06 - FEB - 2025

Prepared By

Date



QA Verified By

06 Feb 2025

Date